

FILE 'REGISTRY' ENTERED AT 17:19:37 ON 19 MAY 2002

L1 1 S 110-25-8/RN

L2 1 S SARCOSINATE/CN

FILE 'CAPLUS' ENTERED AT 17:21:40 ON 19 MAY 2002

L3 56 S OLEOYL SARCOSINE

L4 149 S OLEOYLSARCOSINE

L5 0 S (L3 OR L4) AND (TEST STRIP OR TEST PAPER OR TEST PAD OR ANALY

L6 2 S L1 AND (TEST STRIP OR TEST PAPER OR TEST PAD OR ANALYSIS STR

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test ~~3000~~ fields claims 41-43
46-48

4370412

=> d 16 1-2, ibib, kwic

L6 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 2000:277754 CAPLUS
DOCUMENT NUMBER: 132:276292
TITLE: Fabrication of flexible and adhering absorptive top-layer for diagnostic **test strips**
INVENTOR(S): Knappe, Wolfgang; Leininger, Helmut; Steinbrueck, Ralf; Wittmann, Franz
PATENT ASSIGNEE(S): Roche Diagnostics G.m.b.H., Germany
SOURCE: Eur. Pat. Appl., 26 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 995993	A2	20000426	EP 1999-120059	19991019
EP 995993	A3	20000503		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
DE 19849024	A1	20000427	DE 1998-19849024	19981023

PRIORITY APPLN. INFO.: DE 1998-19849024 19981023

OTHER SOURCE(S): MARPAT 132:276292

TI Fabrication of flexible and adhering absorptive top-layer for diagnostic **test strips**

AB The invention concerns the fabrication of a adhering top-layers for diagnostic **test strips**, e.g. for glucose assays, that are flexible and adhering to the reagent layers even when the **test strips** are bent during the measuring process. The sample receiving absorptive top layers are made from two overlapping parts; the junction of the two parts is at the junction of the two reagent layers. Blood or urine samples are applied onto the top of the **test strip**; **test strips** are placed into the measuring device, while bent; the overlapping layers are gliding on the reagent layers; thus ensuring the transfer of the sample onto the reagent layers. A glucose **test strip** that contains a the above top-layer contained wetting agents of the formula:

R-CO-N(R1)-CH₂-COOMe; where R = C₉-C₂₃ satd. or unsatd. aliph. group, preferably C₁₁-C₁₇; R1 = H, small alkyl; Me = H, metal.

ST **test strip** glucose flexibility adsorptivity adhesion

sample transfer

IT Absorptivity

Adhesion, physical

Blood analysis

Flexibility

Sampling

Test kits

Urine analysis

Wetting agents

(fabrication of flexible and adhering absorptive top-layer for diagnostic **test strips**)

IT 50-99-7, D-Glucose, analysis

RL: ANT (Analyte); ANST (Analytical study)

(fabrication of flexible and adhering absorptive top-layer for diagnostic **test strips**)

IT 110-25-8

RL: DEV (Device component use); USES (Uses)

(fabrication of flexible and adhering absorptive top-layer for diagnostic **test strips**)

L6 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 2000:277753 CAPLUS

DOCUMENT NUMBER: 132:276291

TITLE: Usage of wetting agents in spreading layer compositions and their application for the preparation

of diagnostic test strips

Knappe, Wolfgang

Roche Diagnostics G.m.b.H., Germany

Eur. Pat. Appl., 21 pp.

CODEN: EPXXDW

INVENTOR(S):

PATENT ASSIGNEE(S):

SOURCE:

DOCUMENT TYPE:

LANGUAGE:

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 995992	A2	20000426	EP 1999-120058	19991019
EP 995992	A3	20000503		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
DE 19849008	A1	20000427	DE 1998-19849008	19981023

PRIORITY APPLN. INFO.:

TI Usage of wetting agents in spreading layer compositions and their
application for the preparation of diagnostic **test
strips**

AB The invention concerns the usage of wetting agents for the prepn. of
test strip spreading layers that include compds. of the
formula R-CO-N(R1)-CH₂-COOMe; where R is a C9-C23 satd. or unsatd. aliph.
group, preferably C11-C17; R1 = H, small alkyl; Me = H, or metallo. The
compds. are used as pure substances or as part of solns. or other fluid
preprns. Textile layers are coated with the wetting material and applied
on the top of the reagent contg. layers. Thus a titanium oxide contg.
polyester layer was impregnated with reagents for glucose assay; a Vliedon
vliest that was coated with N-oleyl-sarcosine was placed on the top of it;
the product was cut to obtain **test strips**.

ST spreading layer wetting agent **test strip** diagnosis

IT Diagnosis

(agents; usage of wetting agents in spreading layer compns. and
application for prepn. of diagnostic **test strips**)

IT Test kits

(**test strip**, diagnostic kit; usage of wetting
agents in spreading layer compns. and application for prepn. of
diagnostic **test strips**)

IT Impregnation

Spreading

Textiles

Wetting agents

(usage of wetting agents in spreading layer compns. and application for
prepn. of diagnostic **test strips**)

IT Polyesters, uses

RL: DEV (Device component use); USES (Uses)

(usage of wetting agents in spreading layer compns. and application for
prepn. of diagnostic **test strips**)

IT 50-99-7, D-Glucose, analysis

RL: ANT (Analyte); ANST (Analytical study)

(usage of wetting agents in spreading layer compns. and application for
prepn. of diagnostic **test strips**)

IT 110-25-8 13463-67-7, Titanium oxide, uses

RL: DEV (Device component use); USES (Uses)

(usage of wetting agents in spreading layer compns. and application for
prepn. of diagnostic **test strips**)

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